

# Civil Engineering Grading and Drainage Notes

1. A GRADING PERMIT IS REQUIRED.
2. NO MINIMUM FINISH FLOOR ELEVATION SHALL BE ALTERED.
3. STAKING FINISH FLOOR ELEVATION IS THE RESPONSIBILITY OF THE DEVELOPER AND HIS ENGINEER.
4. CONTRACTOR SHALL PROVIDE GRADING FOR POSITIVE DRAINAGE IN ALL RETENTION BASINS AT ELEVATIONS AS SHOWN ON THE PLANS. BOTTOM OF BASIN SHALL BE GRADED TO DRAIN TOWARD DRYWELLS (WHEN USED). MAXIMUM SIDESLOPES SHALL BE 4:1.
5. DRYWELL INLET GRATE SHALL BE FLUSH WITH ROAD SURFACE OR TURF, OR 1-1/2" ABOVE THE FINISHED GRADE OF DECOMPOSED GRANITE LANDSCAPED AREAS.
6. DRILLING LOGS FOR DRYWELLS WILL BE FURNISHED TO THE CITY INSPECTOR PRIOR TO FINAL ACCEPTANCE.
7. A PERCOLATION TEST SHALL BE REQUIRED OF COMPLETED DRYWELLS PRIOR TO ACCEPTANCE. SHOULD EXISTING SOIL CONDITIONS BE ENCOUNTERED WHICH LACK SUFFICIENT PERCOLATION RATES, ADDITIONAL DRYWELLS OR AN ALTERNATE METHOD OF STORM WATER RUN-OFF DISPOSAL WILL BE REQUIRED.

<u>DRYWELL KEY MAP #</u>	<u>ADEQ REG. #</u>	<u>FIELD PERC RATE (CFS)</u>

8. DRYWELL CONSTRUCTION SHALL BE DONE ONLY BY CONTRACTORS LICENSED BY THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY. APPLICATION FOR DRYWELL REGISTRATION WAS SUBMITTED TO ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY ON \_\_\_\_\_ (DATE).
9. THE APPROVED DRYWELL REGISTRATION SHALL BE SUBMITTED TO THE CITY BY THE DEVELOPER OR HIS ENGINEER AT THE TIME AS-BUILTS ARE SUBMITTED.
10. ALL WEEP HOLES IN WALLS SHALL BE PROVIDED WITH EROSION PROTECTION 12" THICK WITH D50 = 4" RIPRAP, 24" IN WIDTH, EXTENDED TO THE BACK OF SIDEWALK OR TO THE BOTTOM OF RETENTION BASIN, WHICHEVER APPLIES.
11. A RETAINING WALL WILL BE REQUIRED IF AT THE COMPLETION OF GRADING THERE EXISTS MORE THAN ONE FOOT OF DIFFERENCE IN ELEVATION BETWEEN THIS SITE AND ADJACENT PROPERTIES.

GRADE CERTIFICATION:

THE FOLLOWING IS A CERTIFICATION THAT THIS GRADING PLAN IS IN COMPLIANCE WITH THE GRADE REQUIREMENTS OF THE SOILS REPORT PREPARED BY:

\_\_\_\_\_  
DATE

\_\_\_\_\_  
REGISTERED CIVIL ENGINEER      DATE

FINISH GRADE CERTIFICATION:

THE FOLLOWING IS A CERTIFICATION THAT THE FINISH GRADES SHOWN OR AS-BUILT ON THIS GRADING PLAN ARE IN COMPLIANCE WITH THE SOILS REPORT PREPARED BY:

\_\_\_\_\_  
DATE

\_\_\_\_\_  
REGISTERED CIVIL ENGINEER      DATE  
(OR REGISTERED LAND SURVEYOR)